

Organization for the Advancement of
Structured Information Standards
(OASIS)

www.oasis-open.org

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Common Alerting Protocol Profiles

- ◆ History
- ◆ OASIS Standards Process
- ◆ Common Alerting Protocol (CAP)
- ◆ Significant Federal Events
- ◆ CAP Profile
- ◆ Summary



History

- ◆ National Science and Technology Council (NSTC) released “Effective Disaster Warnings” report in November 2000, which recommend standard way to collect and relay warnings
- ◆ Partnership for Public Warning (PPW) - International working group of over 130 emergency managers, IT experts, federal partners, and telecommunications experts convened in 2001



OASIS Standards Process

- ◆ OASIS is an international body
- ◆ Standards are free and open
- ◆ Steps in OASIS Standards development process
 - ◆ Committee Draft
 - ◆ Public Review
 - ◆ Committee Specification
 - ◆ OASIS Standard
- ◆ Membership
 - ◆ Liaison
 - ◆ Contributors
 - ◆ Sponsors



Common Alerting Protocol (CAP)

- ◆ 2004 Common Alerting Protocol 1.0
- ◆ 2005 Common Alerting Protocol 1.1
- ◆ 2007 ITU Recommendation 1303



Significant Federal Events

- ◆ Executive Order 13407
- ◆ WARN Act
- ◆ FCC Report and Order
- ◆ IPAWS Program Office

CAP Profile

- ◆ Why - interoperability
- ◆ Standard does not change
- ◆ How - constraints on the schema

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <cap:alert xmlns:cap="http://www.incident.com/cap/1.0">
  <cap:identifier>NOAA-NWS-ALERTS Alabama 2005-06-21T06:56:59-04:00</cap:identifier>
  <cap:sender>w-nws.webmaster@noaa.gov</cap:sender>
  <cap:sent>2005-06-21T06:56:59-04:00</cap:sent>
  <cap:status>Actual</cap:status>
  <cap:msgType>Alert</cap:msgType>
  <cap:scope>Public</cap:scope>
  <cap:note>Current Watches, Warnings and Advisories for Alabama Issued by the National Weather Service</cap:note>
  <cap:references>http://www.weather.gov/alerts/al.html</cap:references>
- <cap:info>
  <cap:category>Met</cap:category>
  <cap:event>Short Term Forecast</cap:event>
  <cap:urgency>Unknown</cap:urgency>
  <cap:severity>Unknown</cap:severity>
  <cap:certainty>Unknown</cap:certainty>
  <cap:effective>2005-06-21T10:47:00</cap:effective>
  <cap:expires>2005-06-21T11:45:00</cap:expires>
  <cap:headline>Short Term Forecast</cap:headline>
  <cap:description>SHORT TERM FORECAST NATIONAL WEATHER SERVICE HUNTSVILLE AL 547 AM CDT TUE JUN 21 2005 ALZ003-004-007-016-211145- CULLMAN-FRANKLIN AL-LAWRENCE-MORGAN- INCLUDING THE CITIES OF...CULLMAN...HARTSELLE...MOULTON... RUSSELLVILLE 547 AM CDT TUE JUN 21 2005 .NOW... SCATTERED SHOWERS THAT CONTINUE TO REDEVELOP OVER SOUTHERN FRANKLIN AND LAWRENCE COUNTIES ARE MOVING EAST AT 5 TO 10 MPH. THE SHOWERS WILL EXTEND ACROSS THE BORDER REGION OF MORGAN AND CULLMAN COUNTIES THROUGH 645 AM. SPOTTY RAINFALL OF UP TO ONE HALF OF AN INCH WILL BE POSSIBLE. $$ SCHAUB</cap:description>
  <cap:web>http://www.weather.gov/alerts/al.html#ALZ003.HUNNOWHUN.104700</cap:web>
- <cap:area>
  <cap:areaDesc>Franklin (Alabama)</cap:areaDesc>
  <cap:geocode>001059</cap:geocode>
</cap:area>
</cap:info>
- <cap:info>
```

WWW.NWS.NOAA.GOV/ALERTS



Summary

- ◆ EM-TC EAS-CAP Profile Subcommittee
- ◆ EAS Industry Working Group
- ◆ IPAWS PMO Partnering with OASIS and others to “Standardize” an EAS-CAP Profile
- ◆ IPAWS PMO Partnering with OASIS and others to develop testing methodology to insure interoperability

